

Open peer review report 1

Reviewer: Rodolfo Pinto-Almazán, Hospital Regional de Alta Especialidad de Ixtapaluca, Mexico.

Comments to the authors:

The present study focused in the neuroprotective effects of the organic compound Kaemperol in a Sporadic Alzheimer disease model. I believe that if the authors apply the suggested recommendations and only focus in one or maybe two topics the study could be important and relevant to the field.

The model apparently was well performed but the study has several observations that to be taken into account.

Mayor Revision

1. The study try to analyzed three different things with only few experiments (oxidative stress, inflammation and apoptosis) which means that many assumptions of the authors need to be demonstrated.
2. The authors only studied one marker of oxidative stress such as MDA and it may require others (nitrotyrosine, 4-HNE, Isoprostanes, etc) to strengthen this part and extra markers for inflammation.
3. In the results, the authors mention to have analyzed Cytochrome C showing no image or figure these.
4. The results are written in a coloquial manner.
5. The discussion seems confusing, the authors mixed the data when writing because they discussed about memory first, the possible mechanisms of the conducts, next oxidative stress and again the conducts. Also, the authors make several affirmations with the results they have that may seem exaggerated and additionally they have expressed that this is the first paper analyzing the neuroprotective antioxidant effects of Kaempferol over SOD and GSH in the CNS whereas it is not true.